LED PowerBank 48

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SHOWELECTRONICS FOR PROFESSIONALS

Congratulations!
You have bought a great, innovative product from Showtec.
The Showtec LED PowerBank 48 brings excitement to any venue. Whether you want simple plug-&-play action or a sophisticated DMX show, this product provides the effect you need.

You can rely on Showtec, for more excellent lighting products.
We design and manufacture professional light equipment for the entertainment industry.
New products are being launched regularly. We work hard to keep you, our customer, satisfied.
For more information: iwant@showtec.info

You can get some of the best quality, best priced products on the market from Showtec.
So next time, turn to Showtec for more great lighting equipment.
Always get the best -- with Showtec !

Thank you!

Showtec LED PowerBank 48™ Product Guide

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WARNING

CAUTION!
Keep this device away from rain and moisture!

FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP!

SAFETY INSTRUCTIONS

Every person involved with the installation, operation and maintenance of this device has to:

- be qualified
- follow the instructions of this manual

CAUTION! Be careful with your operations.
With a dangerous voltage you can suffer
a dangerous electric shock when touching the wires!

Before your initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

This device contains no user-serviceable parts. Refer servicing to qualified technicians only.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

- Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!
- Never remove warning or informative labels from the unit.
- Never leave any cables lying around.
- Do not insert objects into air vents.
- Do not open the device and do not modify the device.
- Do not connect this device to a dimmerpack.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Do not switch the device on and off in short intervals, as this would reduce the system's life.
- Only use device indoor, avoid contact with water or other liquids.
- Only operate the fixture after having checked that the housing is firmly closed and all screws are tightly fastened.
- Only operate the device after having familiarized with its functions.
- Avoid flames and do not put close to flammable liquids or gases.
- Always keep case closed while operating.
- Always allow free air space of at least 50 cm around the unit for ventilation.
- Always disconnect power from the mains, when device is not used or before cleaning! Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.

- Make sure that the device is not exposed to extreme heat, moisture or dust.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power-cord is never crimped or damaged. Check the device and the power-cord from time to time.
- If device is dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.
- If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- If your Showtec device fails to work properly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Showtec dealer for service.
- For adult use only. The device must be installed out of the reach of children. Never leave the unit running unattended.
- For replacement use fuses of same type and rating only.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.

OPERATING DETERMINATIONS

If this device is operated in any other way, than the one described in this manual, the product may suffer damages and the warranty becomes void.

Any other operation may lead to dangers like short-circuit, burns, electric shock, lamp explosion, crash etc.

You endanger your own safety and the safety of others!

Improper installation can cause serious damage to people and property !

Description of the device

Features

The LED PowerBank 48 is a LED system from Showtec.
• Ultra bright LED
• First grade aluminum body construction, sturdy yet light
• Unlimited colors
• Low power consumption
• Long life, over 100,000 hours
• Low heat design, great for long time operation.
• No Ultra Violet
• Adjustable hanging brackets included
• Maximum ambient temperature +50 degrees
• Lifetime: 100.000 hours
• Dimensions LED fixture: 400x120x165mm
• Weight: 5,3kg
• Data connector: 3 pin and 5 pin XLR
• Beam angle: 25 degrees

NOTE: Knowledge of DMX is required to fully utilize this unit.

Overview

Fig. 1

Backside

Fig. 2

1) Power LED
2) DMX Signal LED
3) Speed
4) Dip Switches Address Setting
5) Dip-switches for Stand-alone/DMX
6) 5-pin DMX signal connector (OUT)
7) 5-pin DMX signal connector (IN)
8) 3-pin DMX signal connector (OUT)
9) 3-pin DMX signal connector (IN)
10) Safety eye
11) ON/ OFF
12) IEC Connector + Fuse

Installation

Remove all packing materials from the LED PowerBank 48. Check that all foam and plastic padding is removed. Connect all cables.

Always disconnect from electric mains power supply before cleaning or servicing.
Damages caused by non-observance are not subject to warranty.

Set Up and Operation

Before plugging the unit in, always make sure that the power supply matches the product specification voltage. Do not attempt to operate a 120V specification product on 230V power, or vice versa.

Note : Link all cables before connecting electric power.

FUNCTIONS:

There are 3 options for using the LED Powerbank: Stand-alone with DMX connected
Stand-alone without DMX
DMX Mode

Stand-alone with DMX connected

In Stand-alone mode, select **.** You can control the speed, via the DMX controller.

There are 25 effects in stand-alone mode, including 10 fixed colors and 15 chase/ fade modes.
The stand-alone mode has 3 channels.
Channel 1: Effect mode.
Channel 2: Speed/Strobe
Channel 3: Illumination (only for fixed color)

Stand-alone without DMX connected

In Stand-alone mode, select . You can control the speed, by using the speed-button on the back of the device.

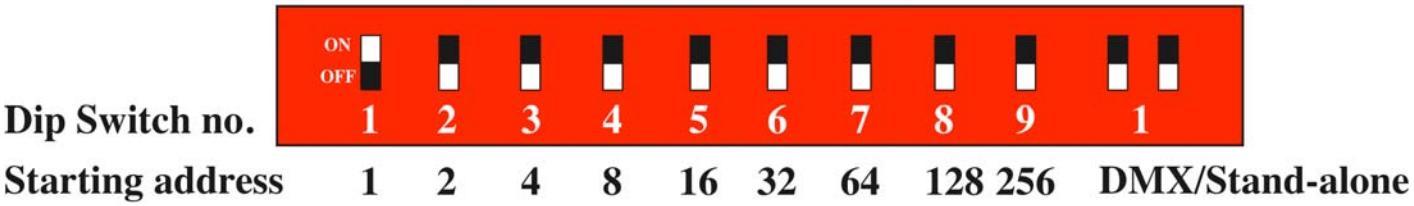
EFFECT	DMX Value	Dip Switches "ON"	Colors
1	1 – 4%	#1	100% Red
2	5 – 8%	#2	100% Green
3	9 – 12%	#1, #2	100% Blue
4	13 – 16%	#3	Yellow
5	17 – 20%	#1, #3	Purple
6	21 – 24%	#2, #3	Sky Blue
7	25 – 28%	#1, #2, #3	Amber
8	29 – 32%	#4	Lavender
9	33 – 36%	#1, #4	Pink
10	37 – 40%	#2, #4	White
11	41 – 44%	#1, #2, #4	Red, Blue, Yellow color cycle
12	45 – 48%	#3, #4	Lavender, Sky Blue, Green, Purple color cycle
13	49 – 52%	#1, #3, #4	All fixed color cycle
14	53 – 56%	#2, #3, #4	Pink, Red, Blue, Sky Blue, Green, Amber, Pink color chasing
15	57 – 60%	#1, #2, #3, #4	Amber, Lavender, Green, Purple, Blue, Sky Blue, Red, Yellow wave fade
16	61 – 64%	#5	All fixed color chasing separately.
17	65 – 68%	#1, #5	All fixed color chasing
18	69 – 72%	#2, #5	Blue, Lavender, Yellow, Sky blue cross-fade
19	73 – 76%	#1, #2, #5	Pink, Green, Blue, Amber cross-fade
20	77 – 80%	#3, #5	All fixed colors cross-fade
21	81 – 84%	#1, #3, #5	White, Pink, Sky blue, Yellow cover-fade
22	85 – 88%	#2, #3, #5	Green, Purple, Blue, Red cover-fade
23	89 – 92%	#1, #2, #3, #5	All fixed color cover-fade
24	93 – 96%	#4, #5	All fixed color cover-fade
25	97 – 100%	#1, #4, #5	Red, Green, Blue, Yellow wave-fade

You can change the speed by turning the speed button (**3**).

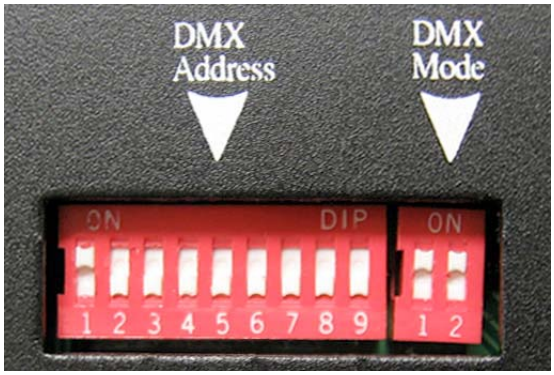
faster

slower.

DMX Operation



The PowerBank will automatically detect the presence of a DMX signal.
If a DMX signal is present, the DMX LED (**2**) will blink.
In order to receive a DMX signal, the controller must be attached to a DMX controller by a 3-pin DMX cable and the DMX controller must be turned on.
The LED PowerBank 48 system can operate as a 12-, 6-, or 3-channel DMX fixture. Select DMX Mode 1, 2, or 3 as described on the facing page.



DMX MODE:

on 3 channel mode (R:0-100%, G:0-100%, B:0-100%)

on 6 channel mode (R:0-100%, G:0-100%, B:0-100%)

on 12 channel mode (R:0-100%, G:0-100%, B:0-100%)

Stand-alone mode- 3 channels (25 built-in effects, speed/strobe, illumination)

Users can test Stand-alone Mode by setting the dip-switches to Stand-alone Mode, without using a DMX controller. Users have to disconnect the DMX cables before testing Stand-alone Mode.

In DMX mode, you can adjust the audio input level, using the sensitivity control on the back panel of the Controller.

Maintenance

The LED PowerBank 48 requires almost no maintenance. However, you should keep the unit clean. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Keep connections clean. Disconnect electric power, and then wipe the connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

Replacing a Fuse

Power surges, short-circuit or inappropriate electrical power supply may cause a fuse to burn out. If the fuse burns out, the product will not function whatsoever. If this happens, follow the directions below to do so.

1. Unplug the unit from electric power source.

2. Insert a flat-head screwdriver into a slot in the fuse cover. Gently pry up the fuse cover. The fuse will come out.

3. Remove the broken fuse. If brown or unclear, it is burned out.

4. Insert the replacement fuse into the holder where the old fuse was. Reinsert the fuse cover. Be sure to use a fuse of the same type and specification. See the product specification label for details.

Troubleshooting

Showtec LED PowerBank 48

This troubleshooting guide is meant to help solve simple problems.

If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.

If the amplifier does not operate properly, refer servicing to a technician.

1. If the device does not operate properly, unplug the device.

2. Check the fuse, power from the wall, all cables etc.

3. If all of the above appears to be O.K., plug the unit in again.

4. If you are unable to determine the cause of the problem, do not open the LED PowerBank 48, as this may damage the unit and the warranty will become void.

5. Return the device to your Showtec dealer.

Product Specification

Model: Showtec LED PowerBank 48
Beam Angle: 25 °
48 LEDs (16 Red, 16 Green, 16 Blue)
Lenses: Clear tempered glass.
Housing: Aluminum body in black
Data connector: 5-pin XLR
Maximum temperature: +50°C
Lifetime: 100,000 hours
Dimensions: 400 x 120 x 165 mm (LxWxH)
Weight: 5.3 Kg

Design and product specifications are subject to change without prior notice.

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